

## 3578-120.TXT

## SEQUENCE LISTING

<110> Mileusnic, Radmilla  
Rose, Stephen Peter Russell

<120> Polypeptides and their Uses

<130> 3578-120

<150> GB 0109558.7

<151> 2001-04-18

<150> GB 0120084

<151> 2001-08-07

<160> 11

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 695

<212> PRT

<213> Homo sapiens

<400> 1

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Met Leu Pro Gly Leu Ala Leu Leu Leu Leu Ala Ala Trp Thr Ala Arg
1      5      10      15
Ala Leu Glu Val Pro Thr Asp Gly Asn Ala Gly Leu Leu Ala Glu Pro
20     25     30
Gln Ile Ala Met Phe Cys Gly Arg Leu Asn Met His Met Asn Val Gln
35     40     45
Asn Gly Lys Trp Asp Ser Asp Pro Ser Gly Thr Lys Thr Cys Ile Asp
50     55     60
Thr Lys Glu Gly Ile Leu Gln Tyr Cys Gln Glu Val Tyr Pro Glu Leu
65     70     75     80
Gln Ile Thr Asn Val Val Glu Ala Asn Gln Pro Val Thr Ile Gln Asn
85     90     95
Trp Cys Lys Arg Gly Arg Lys Gln Cys Lys Thr His Pro His Phe Val
100    105    110
Ile Pro Tyr Arg Cys Leu Val Gly Glu Phe Val Ser Asp Ala Leu Leu
115    120    125
Val Pro Asp Lys Cys Lys Phe Leu His Gln Glu Arg Met Asp Val Cys
130    135    140
Glu Thr His Leu His Trp His Thr Val Ala Lys Glu Thr Cys Ser Glu
145    150    155    160
Lys Ser Thr Asn Leu His Asp Tyr Gly Met Leu Leu Pro Cys Gly Ile
165    170    175
Asp Lys Phe Arg Gly Val Glu Phe Val Cys Cys Pro Leu Ala Glu Glu
180    185    190
Ser Asp Asn Val Asp Ser Ala Asp Ala Glu Glu Asp Asp Ser Asp Val
195    200    205
Trp Trp Gly Gly Ala Asp Thr Asp Tyr Ala Asp Gly Ser Glu Asp Lys
210    215    220
Val Val Glu Val Ala Glu Glu Glu Glu Val Ala Glu Val Glu Glu Glu
225    230    235    240
Glu Ala Asp Asp Asp Glu Asp Asp Glu Asp Gly Asp Glu Val Glu Glu
245    250    255
Glu Ala Glu Glu Pro Tyr Glu Glu Ala Thr Glu Arg Thr Thr Ser Ile
260    265    270
Ala Thr Thr Thr Thr Thr Thr Glu Ser Val Glu Glu Val Val Arg

```

## 3578-120.TXT

275 280 285  
 Val Pro Thr Thr Ala Ala Ser Thr Pro Asp Ala Val Asp Lys Tyr Leu  
 290 295 300  
 Glu Thr Pro Gly Asp Glu Asn Glu His Ala His Phe Gln Lys Ala Lys  
 305 310 315 320  
 Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val Met Arg  
 325 330 335  
 Glu Trp Glu Glu Ala Glu Arg Gln Ala Lys Asn Leu Pro Lys Ala Asp  
 340 345 350  
 Lys Lys Ala Val Ile Gln His Phe Gln Glu Lys Val Glu Ser Leu Glu  
 355 360 365  
 Gln Glu Ala Ala Asn Glu Arg Gln Gln Leu Val Glu Thr His Met Ala  
 370 375 380  
 Arg Val Glu Ala Met Leu Asn Asp Arg Arg Arg Leu Ala Leu Glu Asn  
 385 390 395 400  
 Tyr Ile Thr Ala Leu Gln Ala Val Pro Pro Arg Pro Arg His Val Phe  
 405 410 415  
 Asn Met Leu Lys Lys Tyr Val Arg Ala Glu Gln Lys Asp Arg Gln His  
 420 425 430  
 Thr Leu Lys His Phe Glu His Val Arg Met Val Asp Pro Lys Lys Ala  
 435 440 445  
 Ala Gln Ile Arg Ser Gln Val Met Thr His Leu Arg Val Ile Tyr Glu  
 450 455 460  
 Arg Met Asn Gln Ser Leu Ser Leu Leu Tyr Asn Val Pro Ala Val Ala  
 465 470 475 480  
 Glu Glu Ile Gln Asp Glu Val Asp Glu Leu Gln Lys Glu Gln Asn  
 485 490 495  
 Tyr Ser Asp Asp Val Leu Ala Asn Met Ile Ser Glu Pro Arg Ile Ser  
 500 505 510  
 Tyr Gly Asn Asp Ala Leu Met Pro Ser Leu Thr Glu Thr Lys Thr Thr  
 515 520 525  
 Val Glu Leu Leu Pro Val Asn Gly Glu Phe Ser Leu Asp Asp Leu Gln  
 530 535 540  
 Pro Trp His Ser Phe Gly Ala Asp Ser Val Pro Ala Asn Thr Glu Asn  
 545 550 555 560  
 Glu Val Glu Pro Val Asp Ala Arg Pro Ala Ala Asp Arg Gly Leu Thr  
 565 570 575  
 Thr Arg Pro Gly Ser Gly Leu Thr Asn Ile Lys Thr Glu Glu Ile Ser  
 580 585 590  
 Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val  
 595 600 605  
 His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys  
 610 615 620  
 Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val  
 625 630 635 640  
 Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser Ile  
 645 650 655  
 His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg  
 660 665 670  
 His Leu Ser Lys Met Gln Gln Asn Gly Tyr Glu Asn Pro Thr Tyr Lys  
 675 680 685  
 Phe Phe Glu Gln Met Gln Asn  
 690 695

<210> 2  
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 <212> PRT  
 <213> Chick

<400> 2  
 Gly Met Asn Leu His Asp Tyr Gly Met Leu Leu Pro Cys Gly Ile Asp  
 1 5 10 15

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Lys Phe Arg Gly Val Glu Phe Val Cys Cys Pro Leu Ala Glu Glu Ser  
 20 25 30  
 Asp Asn Leu Asp Ser Ala Asp Ala Glu Asp Asp Asp Ser Asp Val Trp  
 35 40 45  
 Trp Gly Gly Ala Asp Ala Asp Tyr Ala Asp Gly Ser Asp Asp Lys Val  
 50 55 60  
 Val Glu Glu Gln Pro Glu Glu Asp Glu Glu Leu Thr Val Val Glu Asp  
 65 70 75 80  
 Glu Asp Ala Asp Asp Asp Asp Asp Asp Asp Gly Asp Glu Ile Glu Glu  
 85 90 95  
 Thr Glu Glu Glu Tyr Glu Glu Ala Thr Glu Arg Thr Thr Ser Ile Ala  
 100 105 110  
 Thr Thr Thr Thr Thr Thr Glu Ser Val Glu Glu Val Val Arg Val  
 115 120 125  
 Pro Thr Thr Ala Ala Ser Thr Pro Asp Ala Val Asp Lys Tyr Leu Glu  
 130 135 140  
 Thr Pro Gly Asp Glu Asn Glu His Ala His Phe Gln Lys Ala Lys Glu  
 145 150 155 160  
 Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val Met Arg Glu  
 165 170 175  
 Trp Glu Glu Ala Glu Arg Gln Ala Lys Asn Leu Pro Lys Ala Asp Lys  
 180 185 190  
 Lys Ala Val Ile Gln His Phe Gln Glu Lys Val Glu Ser Leu Glu Gln  
 195 200 205  
 Glu Ala Ala Asn Glu Arg Gln Gln Leu Val Glu Thr His Met Ala Arg  
 210 215 220  
 Val Glu Ala Met Leu Asn Asp Arg Arg Arg Ile Ala Leu Glu Asn Tyr  
 225 230 235 240  
 Ile Thr Ala Leu Gln Thr Val Pro Pro Arg Pro Arg His Val Phe Asn  
 245 250 255  
 Met Leu Lys Lys Tyr Val Arg Ala Glu Gln Lys Asp Arg Gln His Thr  
 260 265 270  
 Leu Lys His Phe Glu His Val Arg Met Val Asp Pro Lys Lys Ala Ala  
 275 280 285  
 Gln Ile Arg Ser Gln Val Met Thr His Leu Arg Val Ile Tyr Glu Arg  
 290 295 300  
 Met Asn Gln Ser Leu Ser Phe Leu Tyr Asn Val Pro Ala Val Ala Glu  
 305 310 315 320  
 Glu Ile Gln Asp Glu Val Asp Glu Leu Leu Gln Lys Glu Gln Asn Tyr  
 325 330 335  
 Ser Asp Asp Val Leu Ala Asn Met Ile Ser Glu Pro Arg Ile Ser Tyr  
 340 345 350  
 Gly Asn Asp Ala Leu Met Pro Ser Leu Thr Glu Thr Lys Thr Thr Val  
 355 360 365  
 Glu Leu Leu Pro Val Asp Gly Glu Phe Ser Leu Asp Asp Leu Gln Pro  
 370 375 380  
 Trp His Pro Phe Gly Val Asp Ser Val Pro Ala Asn Thr Glu Asn Glu  
 385 390 395 400  
 Val Glu Pro Val Asp Ala Arg Pro Ala Ala Asp Arg Gly Leu Thr Thr  
 405 410 415  
 Arg Pro Gly Ser Gly Leu Thr Asn Val Lys Thr Glu Glu Val Ser Glu  
 420 425 430  
 Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His  
 435 440 445  
 His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly  
 450 455 460  
 Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val Ile  
 465 470 475 480  
 Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser Ile His  
 485 490 495  
 His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg His  
 500 505 510  
 Leu Ser Lys Met Gln Gln Asn Gly Tyr Glu Asn Pro Thr Tyr Lys Phe

515  
Phe Glu Gln Met Gln Asn 520  
530

<210> 3  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> 5-mer polypeptide

<400> 3  
Arg Glu Arg Met Ser  
1 5

<210> 4  
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<212> PRT  
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<220>  
<223> 5-mer polypeptide

<400> 4  
Ser Met Arg Glu Arg  
1 5

<210> 5  
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<220>  
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<400> 5  
Arg Ser Ala Glu Arg  
1 5

<210> 6  
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<220>  
<223> 16-mer polypeptide

<400> 6  
Ala Lys Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val  
1 5 10 15  
Met

<210> 7  
<211> 17  
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&lt;220&gt;

&lt;223&gt; 16-mer polypeptide

&lt;400&gt; 7

Met Val Gln Ser Met Arg Glu Arg His Lys Ala Glu Leu Arg Glu Lys  
 1 5 10 15  
 Ala

&lt;210&gt; 8

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; 17-mer polypeptide

&lt;400&gt; 8

Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn  
 1 5 10 15  
 Lys

&lt;210&gt; 9

&lt;211&gt; 3

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; 3-mer polypeptide

&lt;400&gt; 9

Arg Glu Arg  
 1

&lt;210&gt; 10

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; 4-mer polypeptide

&lt;400&gt; 10

Arg Glu Arg Met  
 1

&lt;210&gt; 11

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; 4-mer polypeptide

&lt;400&gt; 11

Met Arg Glu Arg  
 1